

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device comprising first ~~(10, 24, 28, 35)~~ and second ~~(11, 25, 27, 33)~~ layers wherein:

the first layer is flexible; and

the second layer has a corrugated structure and is in contact with the first layer along a substantial portion of the length of the second layer so as to prevent fracture of the second layer when the first layer is deformed, wherein the second layer comprises a conductive electrode.

2. (Currently Amended) A ~~The~~ device according to claim 1, wherein the first layer ~~(10, 24)~~ is a substrate.

3. (Currently Amended) A ~~The~~ device according to claim 1,

further comprising a third layer ~~(26, 34)~~ in contact with the first layer ~~(28, 35)~~, wherein the third layer ~~(26, 34)~~ comprises a substrate and the first layer ~~(28, 35)~~ comprises one or more coatings on the substrate.

4. (Currently Amended) A device ~~according to claim 3,~~
comprising:

a first layer, wherein the first layer is flexible;

a second layer having a corrugated structure and being in contact with the first layer along a substantial portion of a length of the second layer so as to prevent fracture of the second layer when the first layer is deformed; and

a third layer in contact with the first layer, wherein the third layer comprises a substrate and the first layer comprises one or more coatings on the substrate, and wherein the third layer ~~(26, 34)~~ comprises a corrugated topography.

5. (Currently Amended) ~~A~~ The device according to claim 3, wherein the first layer ~~(28, 35)~~ comprises an acrylate lacquer.

6. (Currently Amended) A the device according to claim 1, wherein the second layer ~~(11, 25, 27, 33)~~ is a coating on the first layer ~~(10, 24, 28, 35)~~.

7. (Currently Amended) A The device according to claim 1, wherein the first layer ~~(10, 24, 28, 35)~~ comprises a corrugated topography.

8. (Currently Amended) A The device according to claim 1, wherein the second layer ~~(11, 25, 27, 33)~~ comprises a series of adjoining troughs and ridges, each trough and each ridge including substantially flat portions ~~(16, 17, 29, 30)~~.

9. (Currently Amended) A The device according to claim 8, wherein the widths ~~(19, 20, 31, 32)~~ of the substantially flat portions ~~(16, 17, 29, 30)~~ are selected to prevent fracture when the first layer ~~(10, 24, 28, 35)~~ is deformed to a predetermined radius of curvature.

10. (Currently Amended) A The device according to claim 9,

wherein the widths ~~(19, 20, 31, 32)~~ are selected to be less than a predetermined length, the predetermined length being dependent on the average length between cracks ~~(23)~~ for a continuous layer deformed to the predetermined radius of curvature.

11. (Currently Amended) A The device according to claim 8, wherein the transitions ~~(18)~~ between the troughs and ridges are curved.

12. (Currently Amended) A ~~device according to claim 8,~~
comprising:
a first layer, wherein the first layer is flexible; and
a second layer having a corrugated structure and being in
contact with the first layer along a substantial portion of a
length of the second layer so as to prevent fracture of the second
layer when the first layer is deformed;

wherein the second layer comprises a series of adjoining
troughs and ridges, each trough and each ridge including
substantially flat portions, and wherein the substantially flat
portions ~~(16, 17, 29, 30)~~ are interconnected to provide a

continuous path for an electric current.

13. (Currently Amended) A The device according to claim 1,
wherein the corrugated structure comprises an undulating
topography.

14. (Currently Amended) A The device according to claim 2,
wherein the substrate comprises polyvinyl chloride.

15. (Currently Amended) A The device according to claim 1,
wherein the second layer ~~(11, 25, 27, 33)~~ comprises a transparent
conductor.

16. (Currently Amended) A The device according to claim 15,
wherein the second layer ~~(11, 25, 27, 33)~~ comprises a conductive
oxide.

17. (Currently Amended) A The device according to claim 1,
comprising a display.

18. (Currently Amended) A method of fabricating a device comprising first ~~(10, 24, 28, 35)~~ and second ~~(11, 25, 27, 33)~~ layers wherein the first layer is flexible and the second layer has includes conductive electrode having a corrugated structure and is in contact with the first layer along a substantial portion of the length of the second layer so as to prevent fracture of the second layer when the first layer is deformed, the second layer comprising a plurality of interconnected portions ~~(16, 17, 29, 30)~~ each having a portion length ~~(19, 20, 31, 32)~~, the method including selecting the portion length to prevent the fracture when the first layer is deformed to a predetermined radius of curvature.

19. (Currently Amended) A The method according to claim 18, further comprising determining a spacing between cracks ~~(23)~~ for a continuous layer of material when deformed to a predetermined radius of curvature, and selecting the portion length to be a value that is dependent on the determined spacing.

20. (Currently Amended) A The method according to claim 19, comprising determining an average spacing between the cracks ~~(23)~~.